

THERAPEUTIC DELIVERY COMPOSITIONS AND METHODS OF USE THEREOF

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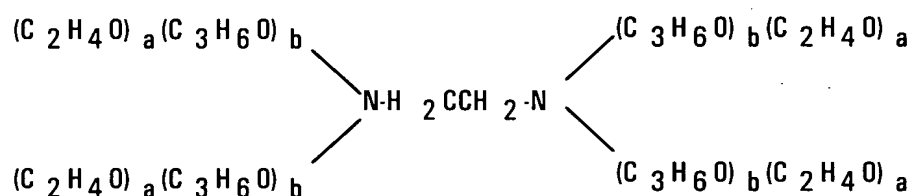
Abstract of the Invention

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The present invention relates to compositions and methods for treating infectious diseases and genetic disorders through gene therapy and intracellular delivery of antisense oligonucleotides or other nucleic acid sequences.

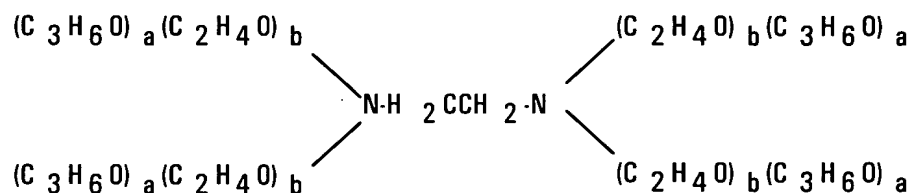
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The present invention comprises a therapeutic delivery composition effective for treating a disease state comprising an administerable admixture of an effective amount of a therapeutic compound capable of altering nucleic acid sequence function and an effective amount of a block copolymer having the following general formula:



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or the general formula:



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wherein:

the mean aggregate molecular weight of the portion of the octablock copolymer represented by

polyoxypropylene is between about 5000 and about 7000 Daltons;

5 a is a number such that the portion represented by polyoxyethylene constitutes between about 10% to about 40% of the compound by weight; and

b is a number such that the polyoxypropylene portion of the total molecular weight of the octablock copolymer constitutes between about 60% and about 90% of the compound by weight.

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Our Docket: 19720-0625 (42896-261843)